



PATENT  
Customer No. 22,852  
Attorney Docket No. 8159.0009-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Charles Eric HUNTER et al. ) Group Art Unit: 2611  
 )  
Application No.: 10/072,471 ) Examiner: Unknown  
 )  
Filed: February 7, 2002 )  
 )  
For: SYSTEMS AND METHODS FOR )  
PROVIDING CONSUMERS WITH )  
ENTERTAINMENT CONTENT )  
AND ASSOCIATED )  
PERIODICALLY UPDATED )  
ADVERTISING )

Commissioner for Patents  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

Prior to the examination of the above application, please amend this application  
as follows:

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Page 23, before paragraph [067], insert the following new paragraph.

--Referring to Figure 3, there is shown a block diagram of components in the  
DVD OA player. Fast memory is DRAM or SRAM to allow block reading or  
manipulation of blocks of raw data, modem for back channel communication to obtain  
keys and accomplish billing, and proprietary ASIC (application specific integrated circuit)

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used as controller/reader for altered disk. Human interaction is via a conventional TV remote for box input and characters (or voices) to the TV for output to the consumer. --

Page 26, before paragraph [76], insert the following paragraph.

--Figure 6 shows a simple portable player with drive to read a single disk, processor to issue commands to the drive, issue and track player permissions or credits, receive customer commands via an IR or wireless remote, and conduct decoding and/or decompression of content. Multiple content output devices are possible including TV sets, small LCD screens, and projection systems. Note the IR port may also be used to conduct communication with the home box office. Some portable boxes may have a second disk drive for an advertisements disk and/or larger memory capacity to allow caching of advertisements or content.--

Page 27, before paragraph [79], insert the following paragraph.

--Figure 7 shows one embodiment of the relationship between a portable and home box. The home box communicates through the back channel with the central computer to obtain viewing credits, report movies viewed and conduct additional communication such as sending decoding keys or taking information requests. Communication of the same information to a portable box is done through the IR ports on both the home and the portable boxes. Note that content disks can be played on either the home or portable boxes while advertisements disks may not be required for the portable box. Note that multiple portable boxes may be associated with each home box.--

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Page 32, before paragraph [87], insert the following paragraph.

--Figure 5 shows a physical schematic of an optically altered disk. The OA disk cannot be successfully read by a normal DVD player or DVD computer drive because the disk is larger in diameter than will fit in the drives or its outer tracks cannot be radially reached by the drive. Typically, information critical to the content or reading of the content is placed on the outer tracks to prevent successful reading of the disk if the disk is physically reduced in diameter. In addition to physical dimensions, disks may be optically modified so they cannot be read by conventional optics and may have error correction or blocking schemes that confound a conventional reader.--

**IN THE DRAWINGS:**

Please amend the drawings as shown in the attached Request for Approval of Drawing Changes and Submission of Substitute Drawings.

**REMARKS**

In the Notice to File Missing Parts of Non-Provisional Application dated April 22, 2002, the Initial Patent Examination Division stated that the application was informal because the drawings did not comply with 37 C.F.R. § 1.84. Specifically, the Notice indicated that the drawings did not have appropriate margins; that the drawings contained erasures, alterations, overwritings, interlineations, folds and copy marks; and that the drawings contained excessive text. Applicants hereby request amendment to the drawings in order to correct the margins, remove any erasures, alterations, etc. and to remove the excessive text. Applicants respectfully submit that the substitute

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drawings, amended as proposed, now comply with 37 C.F.R. § 1.84, and respectfully request entry of the drawings changes.

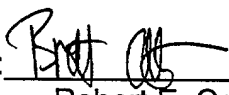
In addition, by this Preliminary Amendment, applicants have added four paragraphs to the specification that were removed from the figures. Applicants therefore respectfully submit that the amendments do not add new subject matter.

If there is any fee due in connection with the filing of this Preliminary Amendment, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

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Dated: June 24, 2002

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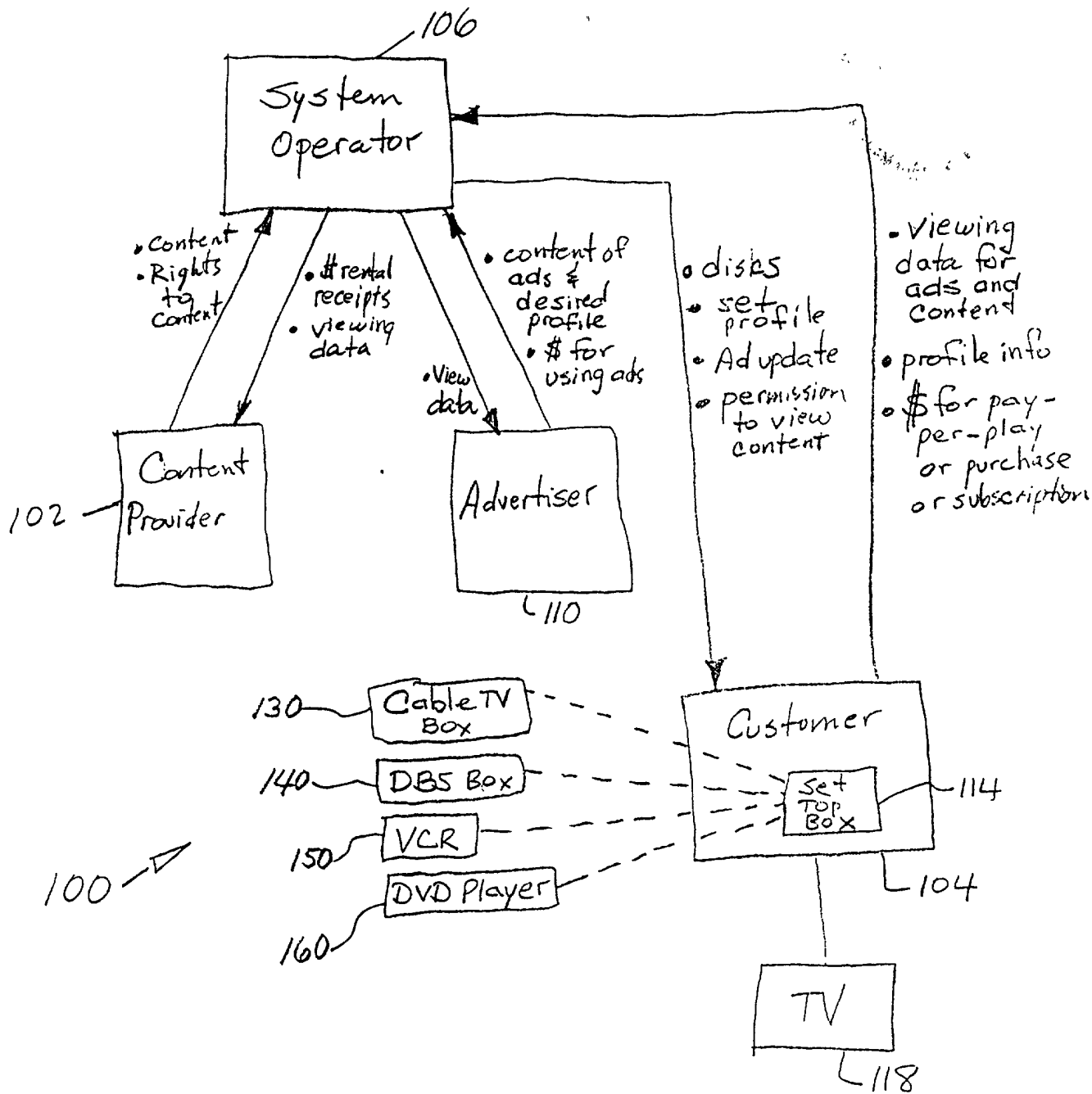


Fig. 1

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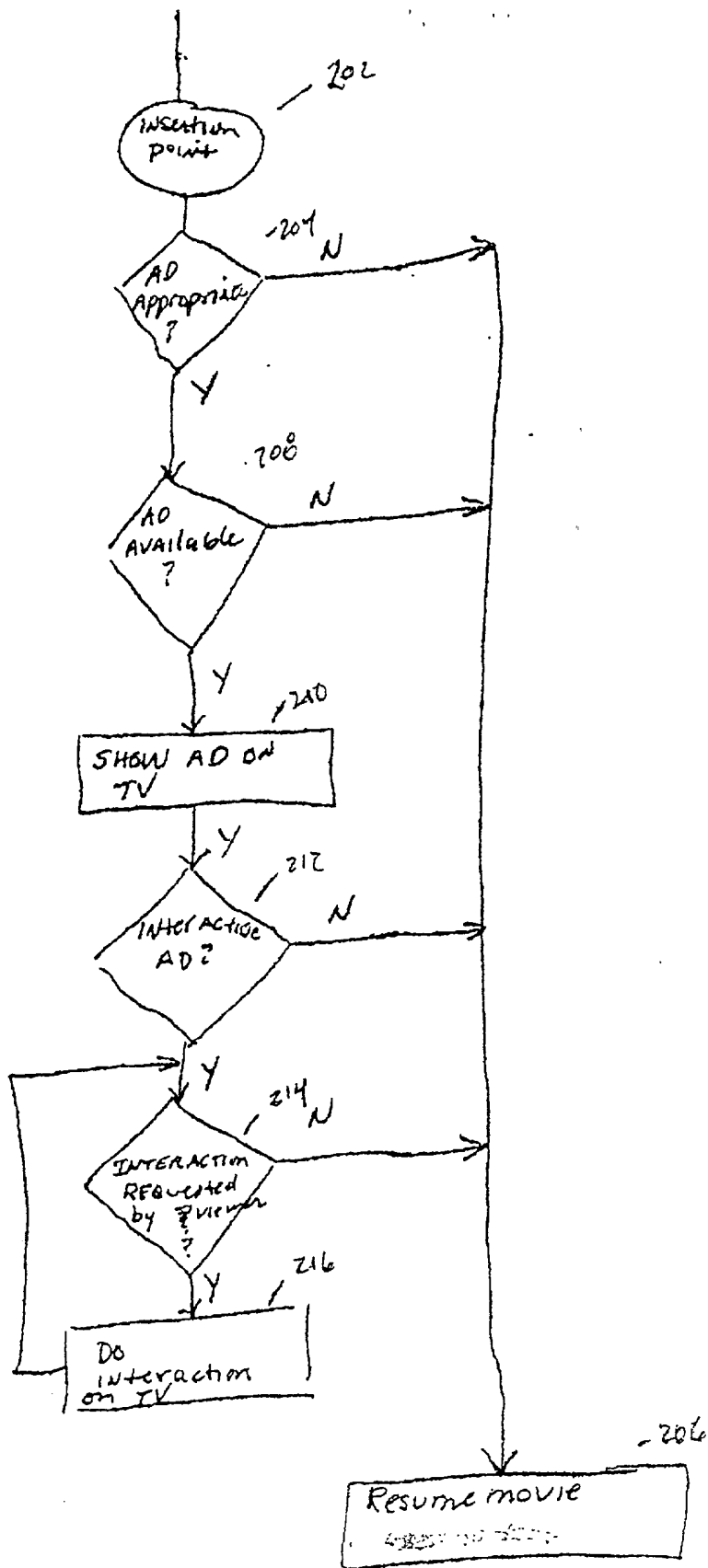
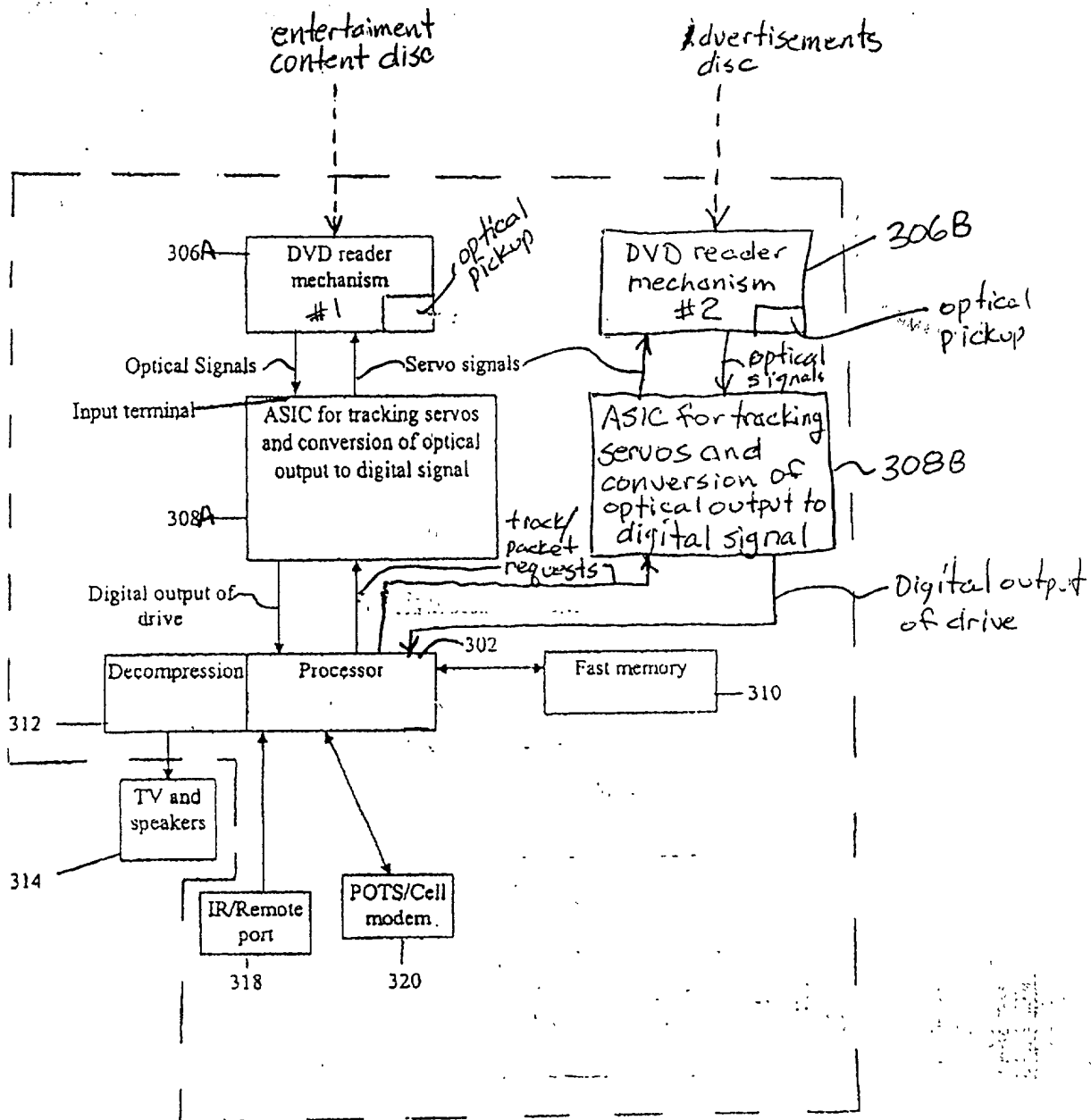


Fig. 2



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Block diagram of components in the DVD OA player. Fast memory is DRAM or SRAM to allow block reading or manipulation of blocks of raw data. Modem for back channel communication to obtain keys and accomplish billing. Proprietary ASIC (application specific integrated circuit) used as controller/reader for altered disk. Human interaction is via a conventional TV remote for box input and characters (or voices) to the TV for output to the customer.

Figure 3

FIG. 3

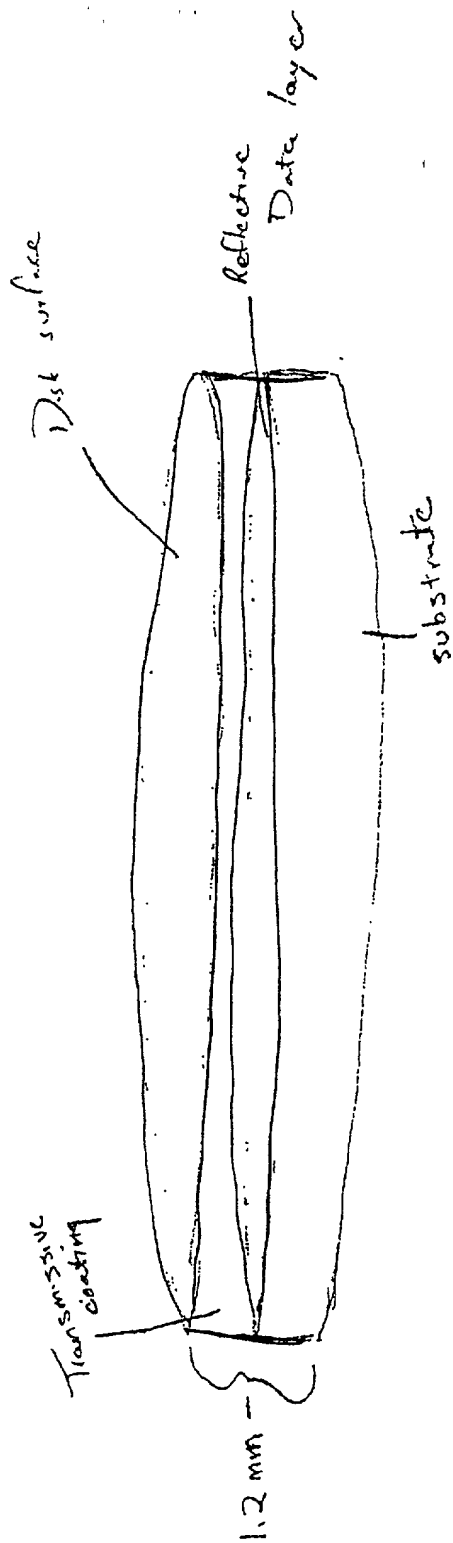
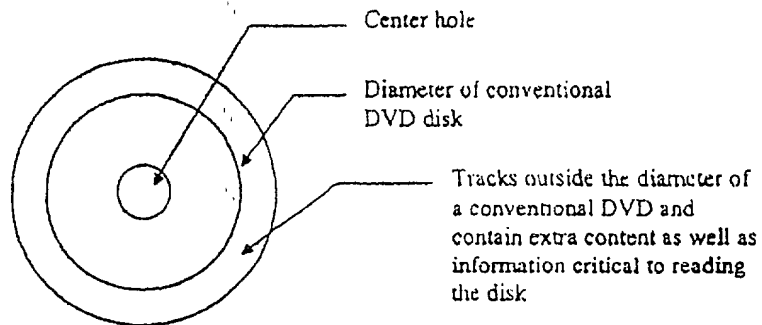


FIGURE 4

FIG. 4



Figures for DVD-Optically Altered Filing



Physical schematic of an optically altered disk. The OA disk cannot be successfully read by a normal DVD player or DVD computer drive because the disk is larger in diameter than will fit in the drives or it's outer tracks cannot be radially reached by the drive. Typically, information critical to the content or reading of the content is placed on the outer tracks to prevent successful reading of the disk if the disk is physically reduced in diameter. In addition to physical dimensions, disks may be optically modified so they cannot be read by conventional optics and may have error correction or blocking schemes that confound a conventional reader.

Figure 5

FIG. 5

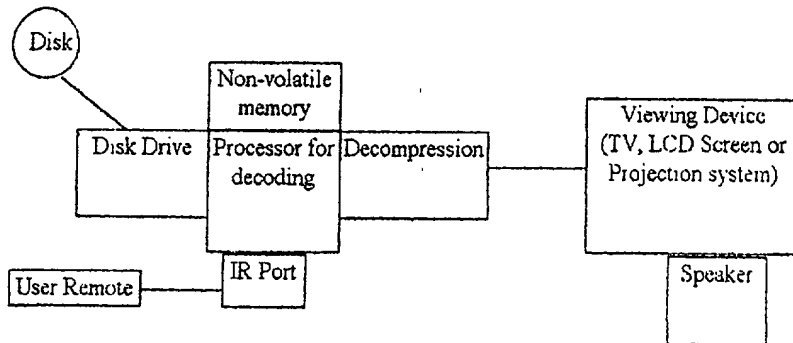


Figure 6: A simple portable player with drive to read a single disk, processor to issue commands to the drive, issue and track player permissions or credits, receive customer commands via an IR or wireless remote, and conduct decoding and/or decompression of content. Multiple content output devices are possible including TV sets, small LCD screens, and projection systems. Note the IR port may also be used to conduct communication with the home box. Some portable boxes may have a second disk drive for an advertisements disk and/or larger memory capacity to allow caching of advertisements or content.

FIG. 6

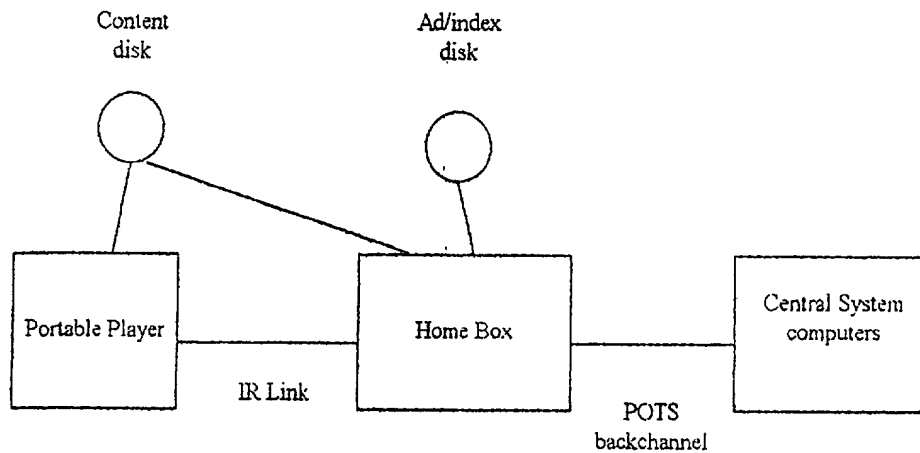


Figure 7: One embodiment of the relationship between a portable and home box. The home box communicates through the back channel with the central computer to obtain viewing credits, report movies viewed and conduct additional communication such as sending decoding keys or taking information requests. Communication of the same information to a portable box is done through the IR ports on both the home and the portable boxes. Note that content disks can be played on either the home or portable boxes while advertisements disks may not be required for the portable box. Note that multiple portable boxes may be associated with each home box.

FIG. 7